

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P121047		Serial No. 09/926,730	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Yasuji HIRAMATSU et al.			
				Filing Date December 10, 2001		Group 1763	

U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
PK	4 4 4 9 0 3 9	05/15/84	FUKAZAWA et al.						
PK	4 7 3 3 0 5 6	03/1988	KOJIMA et al.						
PK	4 8 0 4 8 2 3	02/1989	OKUDA et al.						
PK	5 1 5 1 8 7 1	09/1992	MATSUMURA et al.						
PK	5 2 3 3 1 6 6	08/1993	MAEDA et al.						
PK	5 2 5 2 8 0 9	10/1993	DEMIN						
PK	5 3 3 1 1 3 4	07/1994	KIMURA						
PK	5 5 6 6 0 4 3	10/15/96	KAWADA et al.						
PK	5 6 4 3 4 8 3	07/01/97	KUBOTA et al.						
PK	5 6 6 8 5 2 4	09/16/97	AIDA et al.						
PK	5 7 6 6 3 6 3	06/1998	MIZUNO et al.						
PK	5 9 0 4 8 7 2	05/1999	ARAMI et al.						
PK	6 0 8 0 9 7 0	06/2000	YOSHIDA et al.						
PK	6 1 3 3 5 5 7	10/2000	KAWANABE et al.						

FOREIGN PATENT DOCUMENTS									
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO				
PK 8 - 2 7 3 8 1 5	10/18/96	JAPAN							
PK 8 - 2 7 3 8 1 4	10/18/96	JAPAN							
PK 6 - 5 1 6 5 8	02/25/94	JAPAN							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
PK	1 English language abstract of Japan Publication No. 08273815.
PK	2 English language abstract of Japan Publication No. 08273814.
PK	3 English language abstract of Japan Publication No. 06051658.

EXAMINER <u>Res</u>	DATE CONSIDERED <u>5-1-2003</u>
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
								YES	NO
Pk	4	-	3 0 0	2 4 9	10/23/92	JAPAN			
Pk	5	8	- 6 1	5 9 1	04/12/83	JAPAN			
Pk			5 7 -	8 7 0	01/05/82	JAPAN			
Pk	4	-	3 2 4	2 7 6	11/13/92	JAPAN			
Pk	7	-	2 6 3	5 3 0	10/13/95	JAPAN			
Pk	8	-	3 0 6	6 2 9	11/22/96	JAPAN			
Pk	9	-	1 7 2	0 5 5	06/30/97	JAPAN			
Pk	9	-	2 1 3	4 5 5	08/15/97	JAPAN			
Pk	9	-	3 0 6	6 4 2	11/28/97	JAPAN			
Pk	1	0	1 8 9	6 9 6	07/21/98	JAPAN			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
Pk	4	English language abstract of Japan Publication No. 04300249.
Pk	5	English language abstract of Japan Publication No 58-61591.
Pk	6	English language abstract of Japan Publication No. 57-870.
Pk	7	English Language Abstract of JP 4-324276.
Pk	8	English Language Abstract of JP 7-263530.
Pk	9	English Language Abstract of JP 8-306629.
Pk	1 0	English Language Abstract of JP 9-172055.
Pk	1 1	English Language Abstract of JP 9-213455.
Pk	1 2	English Language Abstract of JP 9-306642.
Pk	1 3	English Language Abstract of JP 10-189696.
Pk		

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											YES	NO
<i>Pu</i>	1	1	-	1	2	0 5 3	01/19/99	JAPAN				
<i>Pu</i>	1	1	-	7	4	0 6 4	03/16/99	JAPAN				
<i>Pu</i>	1	1	-	7	4	3 3 6	03/16/99	JAPAN				
<i>Pu</i>	0	0	/	7	6	2 7 3	12/14/00	W.I.P.O.				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Pu</i>	1	4	English Language Abstract of JP 11-012053.									
<i>Pu</i>	1	5	English Language Abstract of JP 11-074064.									
<i>Pu</i>	1	6	English Language Abstract of JP 11-074336.									

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